

SEQUENCE LISTING

<110> Towa Kagaku Co., Ltd.

National Institute of Advanced Industrial Science and Technology

<120> DIOXIN BINDING MATERIAL AND DIOXIN DETECTING OR QUANTIFYING METHOD

<130> P04-97

<150> JP2003-353026

<151> 2003-10-10

<160> 24

<170> PatentIn version 3.1

<210> 1

<211> 6

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> Xaa is a hydrophobic amino acid residue with a side chain having a ring structure/ring structures, preferably phenylalanine, 1-naphthylalanine, cyclohexylalanine and the like. Xaa of this position is represented as A1 in the description.

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> Xaa is a hydrophobic amino acid residue having an aliphatic hydrocarbon group or an aromatic hydrocarbon group, preferably valine, leucine, isoleucine, phenylglycine and the like. Xaa of this position is represented as A2 in the description.

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> Xaa is a hydrophobic amino acid residue having an aliphatic hydro carbon group or an aromatic hydrocarbon group, preferably valine, n-valine, leucine, phenylglycine and the like. Xaa of this position is represented as A2 in the description.

<220>

<221> MISC_FEATURE

<222> (6)..(6)

<223> Xaa of this position is represented as (X)n in the description wherein n is 0 or 1, and X represents an amino acid residue.

<400> 1

Xaa Leu Asp Gln Xaa Xaa

1 5

<210> 2

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 2

Phe Leu Asp Gln Ile

1 5

<210> 3

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detectiong dioxin

<400> 3

Phe Leu Asp Gln Val

1 5

<210> 4
<211> 5
<212> PRT
<213> artificial sequence

<220>
<223> oligopeptide for detecting dioxin

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Nal(1) (1-naphthylalanine).

<400> 4

Xaa Leu Asp Gln Val
1 5

<210> 5
<211> 5
<212> PRT
<213> artificial sequence

<220>
<223> oligopeptide for detecting dioxin

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Xaa is Cha (cyclohexylalanine).

<400> 5

Xaa Leu Asp Gln Val
1 5

<210> 6
<211> 5
<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 6

Phe Ala Asp Gln Val

1 5

<210> 7

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 7

Phe Phe Asp Gln Val

1 5

<210> 8

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 8

Phe Ile Asp Gln Val

1 5

<210> 9

<211> 5

<212> PRT

<213> artificial sequence

<220>

5/10

<223> oligopeptide for detecting dioxin

<400> 9

Phe Met Asp Gln Val

1 5

<210> 10

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> Xaa is Nle (n-Leucine).

<400> 10

Phe Xaa Asp Gln Val

1 5

<210> 11

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 11

Phe Asn Asp Gln Val

1 5

<210> 12

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 12

Phe Leu Ala Gln Val

1 5

<210> 13

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 13

Phe Leu Leu Gln Val

1 5

<210> 14

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> Xaa is Nva (n-Valine).

<400> 14

Phe Leu Xaa Gln Val

1 5

<210> 15
<211> 5
<212> PRT
<213> artificial sequence

<220>
<223> oligopeptide for detecting dioxin

<400> 15

Phe Leu Asn Gln Val
1 5

<210> 16
<211> 5
<212> PRT
<213> artificial sequence

<220>
<223> oligopeptide for detecting dioxin

<400> 16

Phe Leu Glu Gln Val
1 5

<210> 17
<211> 5
<212> PRT
<213> artificial sequence

<220>
<223> oligopeptide for detecting dioxin

<400> 17

Phe Leu Asp Ala Val
1 5

<210> 18
<211> 5
<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 18

Phe Leu Asp Leu Val

1 5

<210> 19

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> Xaa is Nle (n-Leucine).

<400> 19

Phe Leu Asp Xaa Val

1 5

<210> 20

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 20

Phe Leu Asp Glu Val

1 5

<210> 21

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 21

Phe Leu Asp Asn Val

1 5

<210> 22

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> Xaa is Phg (phenylglycine).

<400> 22

Phe Leu Asp Gln Xaa

1 5

<210> 23

<211> 5

<212> PRT

<213> artificial sequence

<220>

<223> oligopeptide for detecting dioxin

<400> 23

Phe Leu Asp Gln Leu

10/10

1 5

<210> 24
<211> 5
<212> PRT
<213> artificial sequence

<220>
<223> oligopeptide for detecting dioxin

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> Xaa is Nva (n-Valine).

<400> 24

Phe Leu Asp Gln Xaa
1 5